

Figure 1

Antibiotic	-	Inh	Inh	Inh	Emb	Strep	Rif
		0.01	0.1	1.0			

ini A

16 S



Figure 2A

Strain *M. tuberculosis* (Erdman)

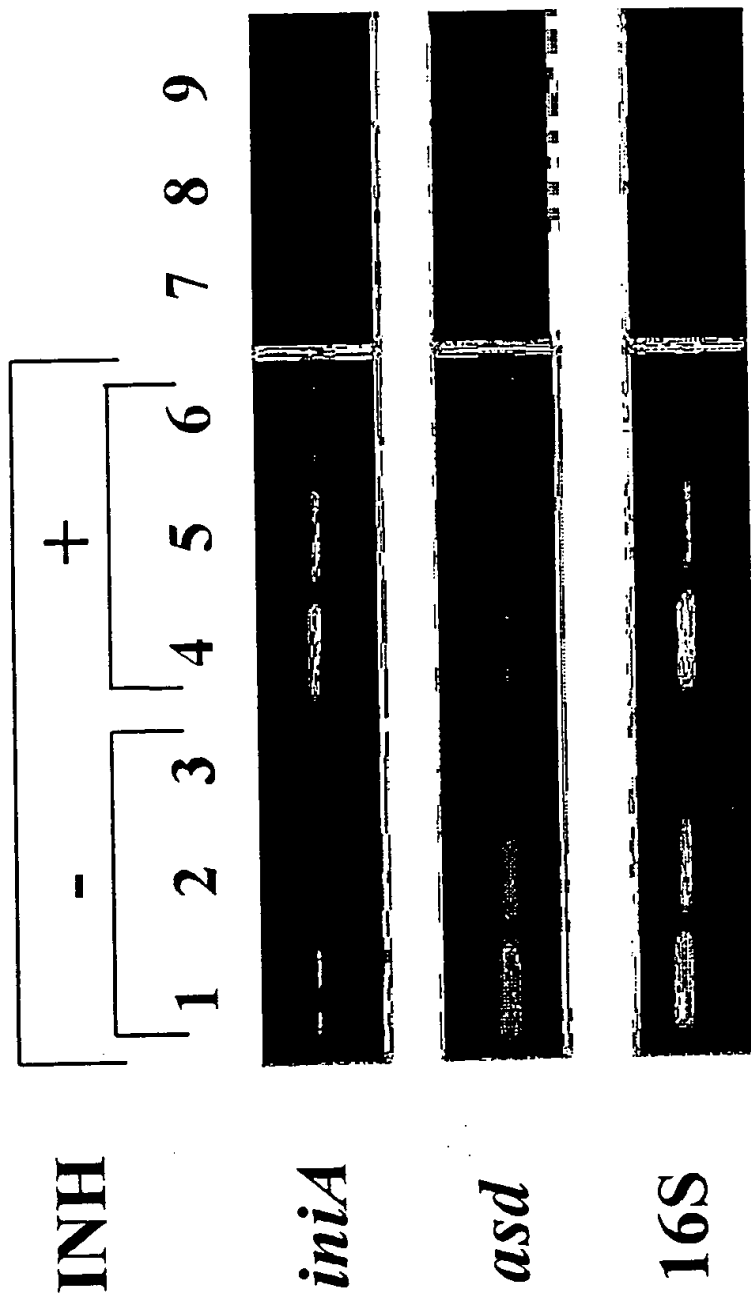


Figure 3

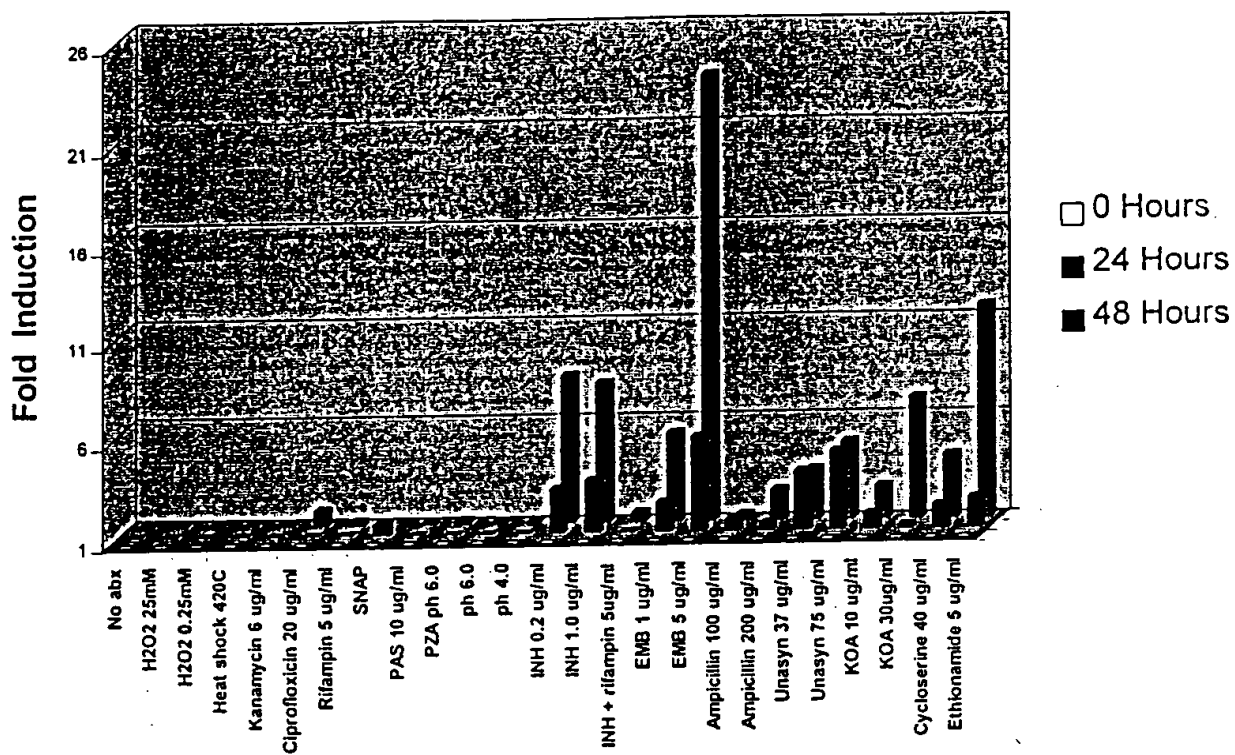


Figure 4

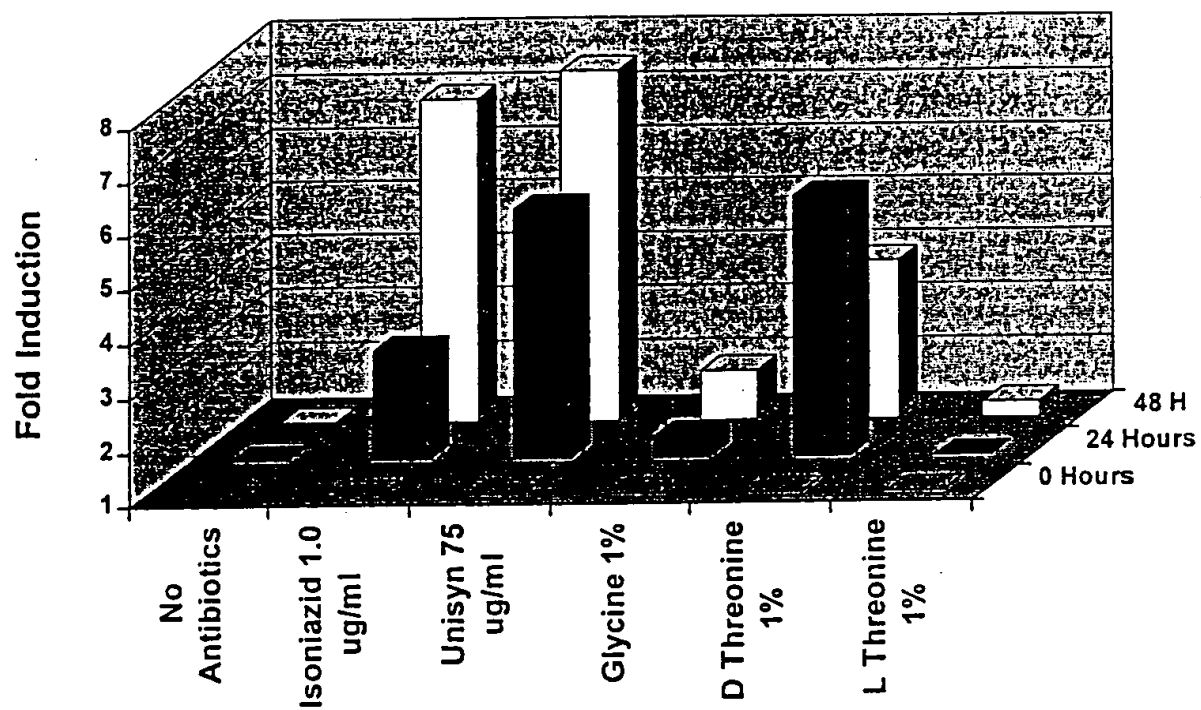


Figure 5

Luciferase induction by iniA promoter

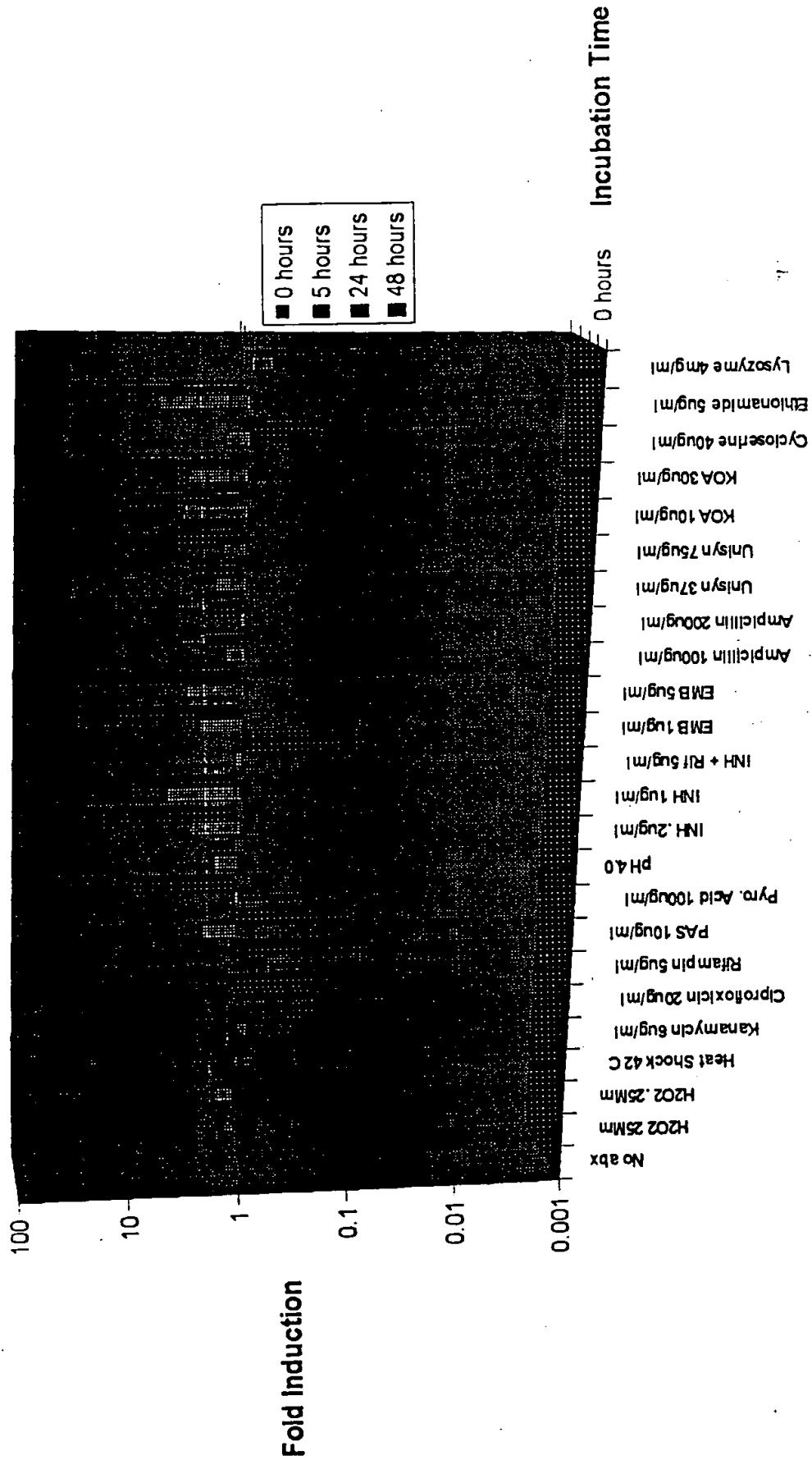


Figure 6A

Cosmid MTCY279:

9048 cac ggctacgaca
9061 tccacggata agttccggac cggcgtaggg gtgccccatt

Cosmid MTY13E10:

1 tcccctaate ccctaacgag cgggccaggc cgaacccgat aggtgtttgg cgggcttgag
61 gatcagaccc cgatttcggg gtgaggcggg atccatagcg tcgatggcac agcgcgggac
121 acgcccggcg acagcttctt cgattgaagg gaaatgaaga tgacctcgct tatcgattac
181 atcctgagcc tgttccgcag cgaagacgcc gcccggtcgt tcgttgccgc tccgggacgg
241 gccatgacca gtgccgggct gatcgatcgc gcgccgcacc aaatctcgc ggtggcggcc
301 aatgtggtgc cgggtctgaa tctgggtgcc ggcgacccca tgagcggatt gcggcaggcc
361 gtcgccgctc ggcattggct tgcgcaggac gtcgcaatg tcggcttcgc cggtagcgcg
421 ggccgccccg tggaagcgt catcacgacc gatgtcggg cgggcctggc tagcggactg
481 ggtgctgggt tcttgggtca ggggtggcctg gctctcgccg cgtcaagcgg tggtttcggc
541 ggtcaggtcg gcttggtcgc ccaggctcgg ctgggtttta ctgccgtgat tgaggccgag
601 gtcggcgctc aggttggtgc tgggttaggt attgggacgg gcttggtgc tcaggccggt
661 atgggctttg gcggcggggg tggcctgggt ctgggtggc aggcggcgcg tgtgatcgg
721 gggagcgcgg ccggggctat cgggtccggc gtcggcggtc gcctaggcgg caatggccag
781 atcgaggttg ccggccaggg tgccgttggc gctggtgctg gcgctggtgt cggcggccag
841 gcgggcatcg ctaccagat cgggtgtcga gccggtgggt ggctcggcg cgctcgcaat
901 gtcagcggcc tgaccggggg cagcagcaac gcagtgttgg ctccaacgc aagcggccag
961 gcgggggtga tcgccagtga aggcgtgcc tgaacggcg ctgctatgcc tcatctgctg
1021 ggcccgttag cgggtgtcgg tgtgggtggg caggccggcg ccgctggcg cggcgggtg
1081 ggcttcggag cggtcgggca cccgactcct cagccggcg ccctgggcgc ggtggtgctg
1141 gtggccaaga ccgagggcg tgctggagt gttggcgggg tcggcggggc aaccggggc
1201 ggggtcggcg gggcacacgg cgacatcctg ggccacgagg gagccgact gggcagtgct
1261 gacacggtca acgcccgtgt cacgcccgc gagcatggct tggctctgcc cagtggcccc
1321 ctgateccag gcggtaccgg cggtatggc ggcataaacc cggcagtgac cgtgcccgc
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1441 gttaccaaac cgcagcacac gccggtcgag ccgcccgtcc acgataagcc gccgagccat
1501 tcggtgtttg acgtcggtca cgagccgcc gtgacgcaca cggcggcg gcacatcgaa
1561 ctgcccgtgt acggcctttt cggactacce ggggtctgat tcgcgagccg attcacgaa
1621 ccggtgggga cgttcattgt cccgcgggt ttgtgcgcat accgtgatct gaggcgtaaa
1681 cgagcgagaa agtggggcga cacggtgacc cagcccgatg acccagtcg ggtcggtgtg
1741 atcgtcgaac tgatgatca cactatgcc atcgccaaac tgaacgagcg tggtagtcta
1801 gtacagcggg tgacgcgggc tcgccagcgg atcaccgacc cgcaggtccg tgtggtgatc

CC-130-TEST-55

Figure 6B

1861 gccgggctgc tcaaacaggg caagagtcaa ttgctcaatt cgttgctcaa cctgcccgcg
1921 gcgcgagtag gcgatgacga ggccaccgtg gtgatcacgc tcgtaagcta cagcgcccaa
1981 ccgtcggccc ggcttgctgt ggccgccggg cccgacggga caaccgcagc ggttgacatt
2041 cccgtcgatg acatcagcac cgatgtgcgt cgggctccgc acgccggtgg ccgcgaggtg
2101 ttgcgggtcg aggtcggcgc gccagccccg ctgctgcggg gcgggctggc gtttatcgat
2161 actccgggtg tgggcggcct cggacagccc cactgtcgg cgacgtggg gctgctaacc
2221 gaggccgatg ccgtcttggt ggtcagcgac accagccagg aattaccga acccgagatg
2281 tggttcgtgc ggcaggccca ccagatctgt ccggtcgggg cggtcgtggc caccaagacc
2341 gacctgtatc cgcgtggcg ggagatcgtc aatgccaatg cagcacatct gcagcgggccc
2401 cgggttcga tgcgatcat cgcagtctca tctgttgc gcagccacgc ggtcacgctt
2461 aacgacaaag agtcaacga agagtccaac tttccggcga tcgtcaagtt tctcagcgag
2521 caggtgcttt cccgcgcgac ggagcgagtg cgtgctgggg tactcggcga aatacgttcg
2581 gcaacagagc aattggcggg gtctctaggt tccgaactat cgggtgtcaa cgaccgaac
2641 ctccgtgacc gacttgcttc ggatttgag cggcgcaaac gggaagccca gcaggcgggtg
2701 caacagacag cgctgtggca gcaggtgctg ggcgacgggt tcaacgacct gactgctgac
2761 gtggaccacg acctacgaac ccgttccgc accgtcacg aagacgccga gcgccagatc
2821 gactctgtg acccgactgc gcattgggcc gagattggca acgacgtcga gaatgcgac
2881 gccacagcgg tcggcgacaa ctctgtgtgg gcataccagc gtccgaagc gttggccgac
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3001 cccacgtca tgggcaccga ctccggccgg ctcaaagcgc tgggccggat ggaatcgaaa
3061 ccgtgcgcc ggggccataa aatgattatc ggcatgcggg gtctctatgg cggcgtggtc
3121 atgattggca tgtgtcgtc ggtggtcgga ctgggttgt tcaaccgct atcggtgggg
3181 gccgggttga tctcggccg gatggcatat aaagaggaca aacaaaaccg gttgctgcgg
3241 gtgcgcagcg aggccaaggc caatgtgcgg cgcttcgtc acgacatttc gttcgtcgtc
3301 agcaaacaat caggggatcg gctcaagatg atccagcgtc tgcgcgcga ccactaccgc
3361 gagatcgccg aagagatcac ccgtcgtc accagatccc tgcaggcgac catcgcgccg
3421 gcgcaggttg cggaaaccga gcgggacaa cgaattcggg aacttcagcg gcaattgggt
3481 atctgagcc aggtcaacga caaccttgc ggcttgagc caaccttgac gccccgggcg
3541 agcttgggac gagcgtgagc accagcgacc gggtcgcgc gattctgcac gcaaccatcc
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3841 atcgcgcgcg tcgacgcgcc aacgtgccga tcaccgctc gggcgggctg agtttcgacc
3901 tgcgcaggat caaccggcc gagctgatcg acctggaagt cgagtggcca gccgaggaac
3961 tcatcgacgc caccattgtt gacacccgg gaacgtcgtc gttggcatgc gatgcctccg
4021 agcgcacgtt gcggctgctg gtccccgcc acggggtgcc tcgggtggat gcggtggtgt
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4141 tcggcgggtc ggtgggagcc ctgggcatca tcggggtggc gtctcgcgc gatgagatcg
4201 gcgcgggccc catcgacgc atgctctcgg ccaacgacgt ggccaagcgg ttcacccgcg
4261 aactgaacca gatgggcatt tgccaggcgg tgggtccgg atccggactt cttgcgtga

Figure 6C

4321 ccgcgcgcac actgcgccag accgagttca tcgcgtgcg caagctggcc ggtgccgagc
4381 gcaccgagct caatagggcc ctgctgagcg tggaccgttt tgtgcgccgg gacagtccgc
4441 taccggtgga cgcggggcatc cgtgcgcaat tgctcgagcg gttcggcatg ttcggcatcc
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4561 tgctggagcg cagcgggctg gtggcgctgc gcaatgtgat agaccagcag ttcgcgcage
4621 gctccgacat gcttaaggcg cataccgcct tggctcctt gcgccgattc gtgcagacgc
4681 atccggtgcc ggcgaccccc tacgtcattg ccgacatcga cccgttgcta gccgacaccc
4741 acgccttcga agaactccga atgctaagcc tttgccttc gcgggcaacg acattgaacg
4801 acgacgaaat cgcgtcgtg cgcgcacatc tcggcggggtc gggcaccagt gccgccgctc
4861 ggctgggcct ggatcccgcg aattctcgcg aggccccgcg cgccgcgctg gccgcagcgc
4921 aacactggcg tcgccgtgcg gcgcatccac tcaacgatcc gttcactacc agggcctgtc
4981 gcgcggcggt gcgcagcgcc gaggcgatgg tggcggagtt ctctgctgc cgtga

52960.1

Figure 7

Rv0341 (iniB)

MTSLIDYILSLFRSEDAARSFVAAPGRAMTSAGLIDIAPHQISSVAANVVPGLNLGAGDPMISGL
RQAVAAARHGFAQDVANVGFAGDAGAGVASVITTDVGAGLASGLGAGFLGQGGGLALAASSGG
FGGQVGLAAQVGLGFTAVIEAEVGAQVVGAGLGIGTGLGAQAGMGFGGGVGLGLGGQAGGVI
GGSAAAGAIGAGVGGRLGGNGQIGVAGQGAVGAGVGGQAGIASQIGVSAGGGGLGGVGN
VSGLTGVSSNAVLASNASGQAGLIASEGAALNGAAMPHLSGPLAGVGVGGQAGAAGGAGLG
FGAVGHPTPQPAALGAAGVVAKTEAAAGVVGGVGGATAAGVGGAHGDILGHEGAALGSVDT
VNAGVTPVEHGLVLPSPGLIHGGTGGYGGMNPPVTDAPAPQVPARAQPMTTAAEHTPAVTQ
PQHTPVEPPVHDKPPSHSVFDVGHEPPVTHTPPAPIELPSYGLFGLPGF

Rv0342 (iniA)

MVPAGLCAYRDLRRKRARKWGDVTVPDDPRRVGVIVELIDHTIAIAKLNERGDLVQRLTRA
RQRITDPQVRVVIAGLLKQKGSQLLNSLLNLPAAARVGDDEATVVITVVSYSQAQPSARLVLAAGP
DGTAAVDIPVDDISTDVRAPHAGGREVLVEVGAPSPLLRGGLAFIDTPGVGGLGQPHLSA
TLGLLPEADAVLVVSDTSQEFTEPEMWFVRQAHQICPVGAVVATKTDLYPRWREIVNANAHAH
LQRARVPMPIIAVSSLLRSHAVTLNDKELNEESNFPPIVVKFLSEQVLSRATERVRAGVLGEIRSA
TEQLAVSLGSELSVNDPNLRDLASDLERRKREAAQAVQQTALWQQVLGDGFNDLTADVD
HDLRTRFRFTVTEDAERQIDSCDPTAHWAEIGNDVENAIATAVGDNFVWAYQRSEALADDVA
RSFADAGLDSVLSAELSPHVMGTDFGRKLALGRMESKPLRRGHKMIIGMRGSYGGVVMIGML
SSVVGLGLFNPLSVGAGLILGRMAYKEDKQNRLLRVRSEAKANVRRFVDDISFVSKQSRDRL
KMIQRLLRDHYREIAEEITRSLTESLQATIAAAQVAETERDNRIRELQRQLGILSQVNDNLAGL
EPTLTPRASLGRA

Rv0343 (iniC)

MSTSDRVRAILHATIQAIRGAPAYRQRGDVFCQLDRIGARLAEPLRIALAGTLKAGKSTLVNAL
VGDDIAPTDATETRIVTWFRHGPTPRVTANHRGGRRANVPITRRGGLSFDLRRINPAELIDL
EVEWPAAELIDATIVDTPGTSSLACDASERTLRLVLPADGVPRVDAVVFLRLTLNAADVALLKQI
GGLVGGSVGALGIIGVASRADEIGAGRIDAMLSANDVAKRFTRELNQMGICQAVVPVSGLLAL
TARTLRQTEFIALRKLGAERTELNRALLSVDRFVRRDSPLPVDAGIRAQLLERFGMFGIRMSI
AVLAAGVTDSTGLAAELLERSGLVALRNVIDQQFAQRSDMLKAHTALVSLRRFVQTHVPATP
YVIADIDPLLADTHAFEELRMLSLPSRATTLNDDIASLRRIGGSGTSAAARLGLDPANSREA
PRAALAAAQHWRRRAAHPLNDPFTTRACRAAVRSAEAMVAEFSARR